



Launch Mission Execution Forecast

Mission: Falcon 9 SAOCOM-1B

Issued: 28 August 2020 / 0900L (1300Z)

Valid: 30 August 2020 / 1914 – 1924L (2314 – 2324Z)



Forecast Discussion: The subtropical ridge axis is south of the Space Coast creating southwesterly winds in the low-levels. This flow impedes the inland progression of the east coast sea breeze and allows inland storms to migrate towards the Spaceport, increasing the threat of evening thunderstorms and associated cloudiness over the launch area. In addition, the remnants of Hurricane Laura are providing ample moisture to the southeast U.S. and Florida, increasing cloud cover through the weekend. The primary concerns for launch attempts Sunday and Monday are the Thick Cloud Layers Rule related to the remnant moisture and the Cumulus, and Anvil Cloud Rules from the evening's convection.

Launch Day	Probability of Violating Weather Constraints							
	60%	Primary Concerns: Thick Cloud Layers Rule, Cumulus Cloud Rule, Anvil Cloud Rules						
	Weather Conditions					Additional Risk Criteria		
	Weather/Visibility:	Isold T-Storms / 5 mi	Type	Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Low
	Temp/Humidity:	82°F / 82%	Cumulus	Scattered	3,000	12,000	Booster Recovery Weather:	Low
24-Hour Delay	Liftoff Winds (200'):	240° 10 - 15 mph	Cirrostratus	Broken	22,000	30,000	Solar Activity:	Low
	Probability of Violating Weather Constraints							
	60%	Primary Concerns: Thick Cloud Layers Rule, Cumulus Cloud Rule, Anvil Cloud Rules						
	Weather Conditions					Additional Risk Criteria		
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Note: The Probability of Violation (POV) is the chance that a Lightning Launch Commit Criteria (LLCC) or certain user constraints (surface winds, precipitation, and temperatures, etc.) will be violated during the launch window. It does not take into account upper-level wind shear, booster recovery weather, and solar activity.								
Next Forecast Will Be Issued		29 August 2020						